PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
мвнв00-878-ј	ACTION a	s well as, where applicable, item 5 below.
International application No.	International filing date (day/month/yea	(Earliest) Priority Date (day/month/year)
PCT/US2004/026930	20/08/2004	23/10/2003
Applicant		
SIRNA THERAPEUTICS, INC.		
This International Search Report has beel according to Article 18. A copy is being tra		g Authority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
X It is also accompanied by	a copy of each prior art document cited in	n this report.
	international search was carried out on these otherwise indicated under this item.	ne basis of the international application in the
The international this Authority (Ru		translation of the international application furnished to
b. X With regard to any nucleo	otide and/or amino acid sequence discl	osed in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).	
3. X Unity of invention is lac	king (see Box III).	Best Available Cop
4. With regard to the title,		
X the text is approved as su	bmitted by the applicant.	\(\begin{array}{c}\end{array}\end{array}\)
the text has been establis	hed by this Authority to read as follows:	\mathbf{Q}
		$\mathbf{\Phi}$
		Ŏ
		Ŏ
5 Maria and an also strategy		₹
5. With regard to the abstract,	henittad by the applicant	
X the text is approved as su	- ' '	uthority as it appears in Box No. IV. The applicant
		search report, submit comments to this Authority.
6. With regard to the drawings ,		
,	ublished with the abstract is Figure No	······································
as suggested by t	• •	
	s Authority, because the applicant failed t	
	s Authority, because this figure better cha	aracterizes the invention.
b. X none of the figures is to be	e published with the abstract.	



International application No.

PCT/US2004/026930

Box	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sneet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ntion, the international search was carried out on the basis of:
	a.	type of material X a sequence listing table(s) related to the sequence listing
	b.	format of material in written format X in computer readable form
	c.	time of filing/furnishing contained in the international application as filed filed together with the international application in computer readable form X furnished subsequently to this Authority for the purpose of search
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addit	tional comments:

INTERNATIONAL SEARCH REPORT

,	٠.	 	 ~	•••	. •	•	•	•
æ								
٦,								
3								

International Application No
International Application No T/US2004/026930

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/11 C12P19/34 A61K31/713

C07H21/02

C07H21/04

A61P31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/081628 A (RIBOZYME PHARMACEUTICALS, INCORPORATED; BLATT, LAWRENCE; CHOWRIRA, BHA) 17 October 2002 (2002-10-17) page 9, lines 3-22 page 20, line 34 - page 21, line 8	1-32,34
X	WO 03/074654 A (SIRNA THERAPEUTICS, INC; MCSWIGGEN, JAMES; BEIGELMAN, LEONID; CHOWRIRA) 12 September 2003 (2003-09-12) page 136, lines 25,26	1-32,34
X	WO 03/070918 A (RIBOZYME PHARMACEUTICALS, INCORPORATED; MCSWIGGEN, JAMES; BEIGELMAN, L) 28 August 2003 (2003-08-28) page 126, lines 2,3	1-32,34

	
Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the international filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search	 'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family Date of mailing of the international search report
31 May 2005	2 8. 09. 05
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tet. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Barnas, C



International application No. PCT/US2004/026930

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: $1-32$, 34
Remark	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-32, 34

A double stranded short interfering nucleic acid (siNA) molecule that directs cleavage of a NOGO receptor RNA via RNA interference as described in claim 1.

2. claims: 33, 35

A double stranded short interfering nucleic acid (siNA) molecule that directs cleavage of a NOGO receptor RNA via RNA interference wherein said siNA comprises any of SEQ ID NOs: 1-33, 100-132.

3. claims: 33, 35

A double stranded short interfering nucleic acid (siNA) molecule that directs cleavage of a NOGO receptor RNA via RNA interference wherein said siNA comprises any of SEQ ID NOs: 34-66, 133-165.

4. claims: 33, 35

A double stranded short interfering nucleic acid (siNA) molecule that directs cleavage of a NOGO receptor RNA via RNA interference wherein said siNA comprises any of SEQ ID NOs: 67-99, 166-198.

5. claims: 33, 35

A double stranded short interfering nucleic acid (siNA) molecule that directs cleavage of a NOGO receptor RNA via RNA interference wherein said siNA comprises any of SEQ ID NOs: 199-320.

INTERNATIONAL SEARCH REPORT

i. __mation on patent family members

rnational Application No PCT/US2004/026930

Patent docu cited in search			Publication date		Patent family member(s)		Publication date
WO 02081	628	Α	17-10-2002	EP	1386004	A2	04-02-2004
WO 03074	654	A	12-09-2003	AU	2003207708		09-09-2003
				ΑU	2003211082	A1	09-09-2003
				AU	2003213163	A1	09-09-2003
				ΑU	2003216311	A1	09-09-2003
				ΑU	2003216315	A1	09-09-2003
				ΑU	2003216324	A1	16-09-2003
				ΑU	2003217594		09-09-2003
				ΑU	2003219712		09-09-2003
				ΑU	2003219751		09-09-2003
				ΑU	2003221258		09-09-2003
				ΑU	2003247204		09-09-2003
				CA	2455447	A1	12-09-2003
				CA	2459532		28-08-2003
				CA	2476112	A1	28-08-2003
				EP	1432724		30-06-2004
				EP	1476574	A2	17-11-2004
				EP	1476458		17-11-2004
				EP	1472267		03-11-2004
				ΕP	1458741		22-09-2004
				EP	1472269		03-11-2004
				EP	1470256		27-10-2004
				EP	1549660		06-07-2005
				EP	1470257		27-10-2004
				EP	1423406		02-06-2004
				GB	2396616		30-06-2004
				GB	2397818		04-08-2004
				JP		Ţ	16-06-2005
				JP	2005518803		30-06-2005
				WO	03072704		04-09-2003
				WO	03070886		28-08-2003
				WO	03070744		28-08-2003
				WO	03070968		28-08-2003
				WO	03070903		28-08-2003
				WO	03070970		28-08-2003
				WO	03070911		28-08-2003
				WO	03070914	A2	28-08-2003
WO 03070	918	Α	28-08-2003	NONE	·		

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
FADED TEXT OR DRAWING
BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
LINES OR MARKS ON ORIGINAL DOCUMENT
REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
•

IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER: _____

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.